

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (cancelled)

2. (previously presented) A polymer powder for producing a three-dimensional object by means of laser sintering, wherein the powder comprises a BET-surface which is smaller than $6 \text{ m}^2/\text{g}$ and at the same time the upper grain limit is below $100\mu\text{m}$, the $D_{0.9}$ -value is below $90 \mu\text{m}$, and the $D_{0.5}$ -value is below $60 \mu\text{m}$ and the particles comprise a basically spherical shape.

Claims 3-26 (cancelled)

27. (previously presented) A polymer powder according to claim 2 for producing a three-dimensional object by means of laser sintering, wherein the powder comprises a BET-surface which is smaller than $5 \text{ m}^2/\text{g}$ and at the same time the upper grain limit is below $100\mu\text{m}$, the $D_{0.9}$ -value is below $80 \mu\text{m}$, and the $D_{0.5}$ -value is below $55 \mu\text{m}$ and the particles comprise a basically spherical shape

28. (previously presented) A powder according to claim 2, wherein the powder has a BET-surface having a value smaller than or equal to $4 \text{ m}^2/\text{g}$.

29. (previously presented) A powder according to claim 28, wherein the powder has a BET-surface having a value smaller than or equal to $3 \text{ m}^2/\text{g}$.

30. (previously presented) A powder according to claim 29, wherein the powder has a BET-surface having a value smaller than or equal to $2 \text{ m}^2/\text{g}$.

31. (previously presented) A powder for manufacturing a three-dimensional object by means of laser sintering according to claim 2, wherein a laser sintering refreshing factor is less than 50 percent.

32. (previously presented) A powder according to claim 31, wherein the refreshing factor is less than 30 percent.

33. (previously presented) A powder according to claim 2, wherein the powder is a polyamide powder.

34. (previously presented) A powder according to claim 2, wherein the powder consists of polyamide 11 or polyamide 12.

35. (previously presented) A powder according to claim 33, wherein the powder is a precipitated PA12 powder.

36. (currently amended) A method for producing a powder according to one of claims ~~4~~, 2, ~~27-35~~ ~~48-55~~, wherein as a base material a plastic powder attained by means of precipitation or milling is used which is mechanically or mechanically-thermally mixed for at least one minute in an appropriate aggregate.

37. (previously presented) A method according to claim 36 wherein the base material has at least one further powder component.

38. (previously presented) A method according to claim 37 wherein a further powder component is a polymer powder or an additive.

39. (currently amended) A method for manufacturing a three-dimensional object by means of laser sintering wherein subsequent layers of the object to be formed are subsequently solidified from solidifiable powder material in positions corresponding to the object and a powder according to claims ~~4~~, 2, ~~27-35~~ ~~48-55~~ is used as powder material.

40. (previously presented) A method according to claim 39 wherein the powder base material has at least one further powder component.

41. (previously presented) A method according to claim 40 wherein a further powder component is a polymer powder or an additive.